

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-312078

(43)Date of publication of application : 09.11.1999

(51)Int.Cl.

G06F 7/58

G06F 1/04

(21)Application number : 10-120757

(71)Applicant : ROHM CO LTD

(22)Date of filing : 30.04.1998

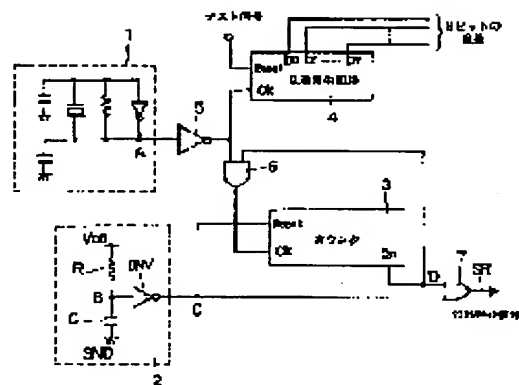
(72)Inventor : TAGIRI HIROKAZU

(54) SEMICONDUCTOR DEVICE HAVING RANDOM NUMBER GENERATING CIRCUIT

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent random numbers from being equal at all the time by starting operation of a random number generating circuit without applying an initial value after a power source is turned on wherein the number of clocks to be inputted for a fixed time from the start of operation is not determined.

SOLUTION: After power source is turned on and an oscillation circuit 1 is stabilized, resetting of an entire system is released, and after the lapse of a prescribed time, random numbers are read out. Thus, after resetting of the entire system is released, random numbers are always read out at the same timing. But, a random number generating circuit 4 is not initialized after the power source is turned on and further, the oscillation circuit 1 is started while its oscillation waves are unstable, so the operation is started without an initial value, and the number of clocks inputted for the lapse of a fixed time from the start of operation is not determined and random numbers are different at all the time.



LEGAL STATUS

[Date of request for examination]

14.10.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]